Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	02/23/2018 10:30 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125700	0	2.02	125611	2.00
Blue	F	SSC	125000	123653	-2	3.10	124059	2.91
Blue	E	FITC	23615	22993	-3	3.07	1024	10.60
Blue	D	PE	26739	26377	-2	2.42	947	10.20
Blue	B	PerCP-Cy5-5	48339	47926	-1	3.68	1378	17.80
Blue	A	PE-Cy7	45021	45391	0	5.46	701	36.71
Red	C	APC	53064	52110	-2	2.75	3003	9.53
Red	A	APC-Cy7	57175	56100	-2	2.88	1172	11.61
Violet	B	V450	14728	14232	-4	4.49	680	9.36
Violet	A	V500	58621	57327	-3	4.31	2531	6.67

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19874	3.25	612	-2	N/A	N/A	Pass
Blue	F	SSC	61234	1.85	555	9	N/A	N/A	Pass
Blue	E	FITC	115	38.37	548	0	0.0197	92	Pass
Blue	D	PE	207	30.04	539	3	0.1511	247	Pass
Blue	B	PerCP-Cy5-5	215	47.56	640	5	0.0091	104	Pass
Blue	A	PE-Cy7	73	129.04	699	6	0.0112	20	Pass
Red	C	APC	344	28.34	598	1	0.0199	77	Pass
Red	A	APC-Cy7	129	41.78	582	2	0.0050	1635	Pass
Violet	B	V450	82	42.12	464	-6	0.0431	1677	Pass
Violet	A	V500	184	21.71	491	-6	0.0150	240	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.42	-30.89	0.93
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.36
Red	16.92	14.40 - 21.60	N/A	N/A	30.59	31.10	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 13814

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments